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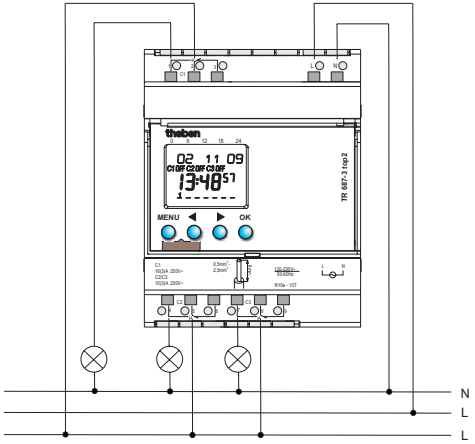
TR 687-3 top2 687 0 103

GB **Installation and operating instructions**
Digital Time Switch



TR 687-3 top2

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Basic safety instructions

⚠ WARNING

Danger of death through electric shock or fire!

➢ Installation should only be carried out by a qualified electrician!

- The digital time switch with 3 channels is designated for installation on DIN Top hat rails (in accordance with EN 60715)
- Corresponds to type 1 BSTU in accordance with IEC/EN 60730-2-7
- Power reserve (10 years) is reduced if memory card is inserted (in battery operation)

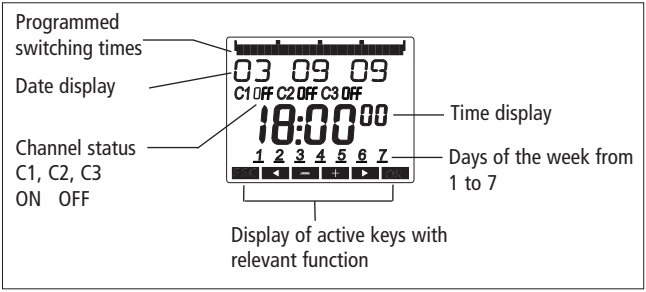
Designated use

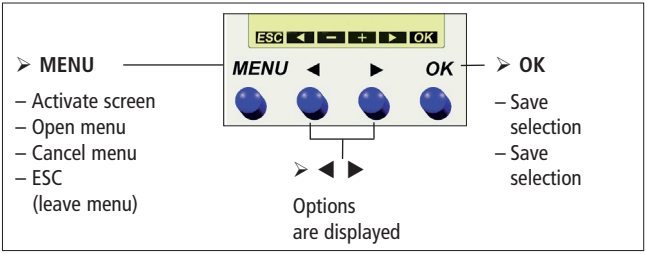
- The digital time switch can be used for lighting, ventilation etc.
- Only for use in closed, dry rooms

Disposal

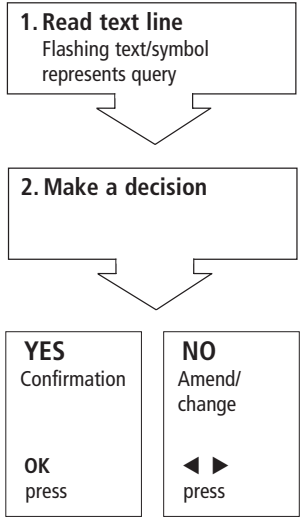
Dispose of device in environmentally sound manner

Screen and keys





Operating instructions



Overview of menu selection

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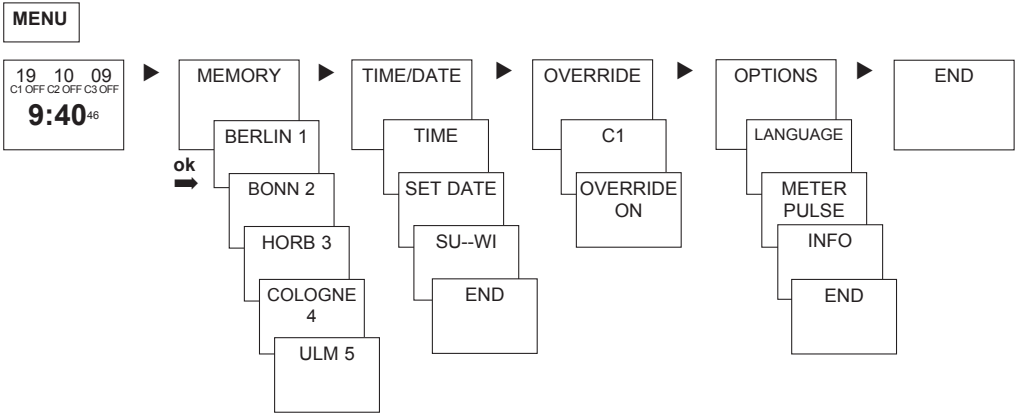
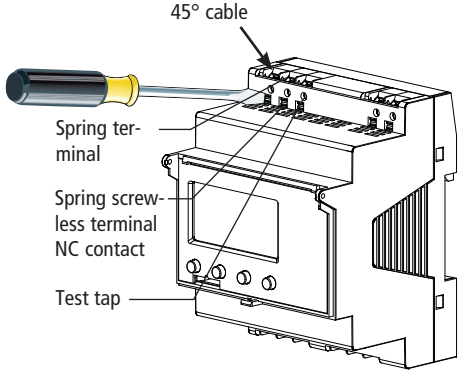


Connection/installation

⚠ WARNING

Warning, danger of death through electric shock!

- ➢ Must be installed by qualified electrician!
- ➢ Disconnect power source.
- ➢ Cover or shield any adjacent live components.
- ➢ Ensure device cannot be switched on!
- ➢ Check power supply is disconnected!
- ➢ Earth and bypass!



Connect cable

- ➢ Strip cable by 8 mm (max. 9).
- ➢ Insert cable at 45° in the open terminal (2 cables per terminal is possible).
- ➢ Only with flexible wires: Press screwdriver downwards to open spring terminal.

RESET

➢ Press the 4 buttons simultaneously.

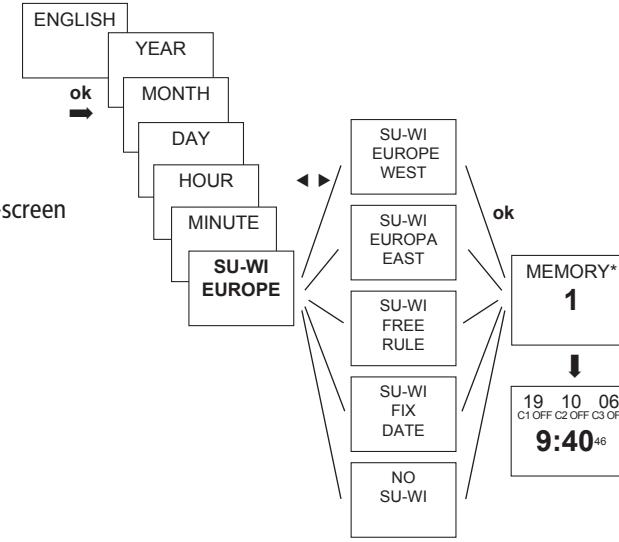
All switching times and settings are retained after RESET. Date and time values equate to last power failure.

Initial start-up

Activate time switch

Set language, date, time and summer/winter time changeover

➢ Press desired button and follow on-screen instructions.



*Text is entered in OBELISK top2 software.

Select MEMORY

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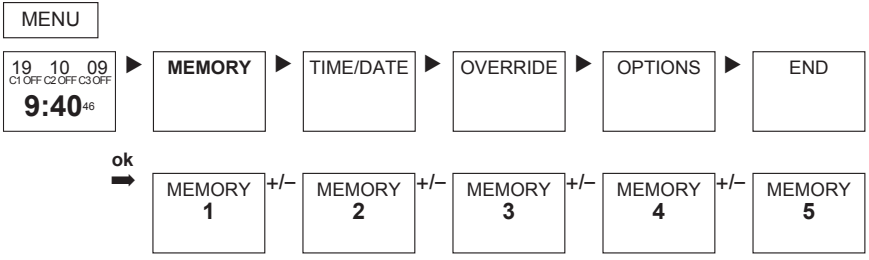
You can choose one of **5 MEMORY** slots each with 200 memory locations. A memory location can store a switching time or date range allocated to a channel. One program memory is always active.

➢ Press **MENU**.

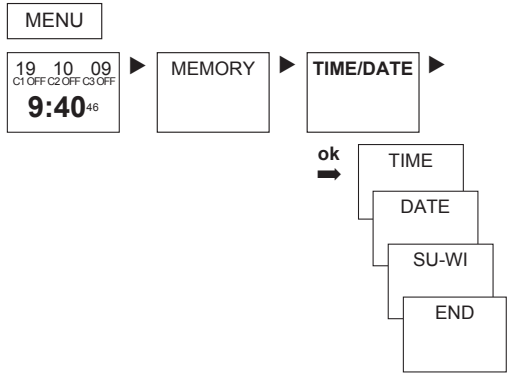


➢ Use + or – to select desired memory and confirm by pressing **OK**.

Set date, time and summer/winter time changeover

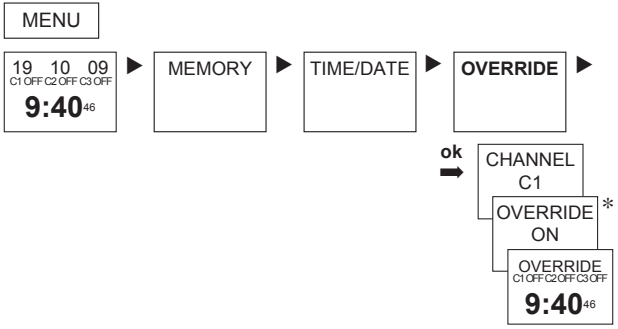
- Press **MENU**.
- Use ◄ ► to select desired (TIME/DATE) setting.
- Confirm by pressing **OK**.

For information on the various date rule options, see the **initial start-up** chapter.



Set manual control

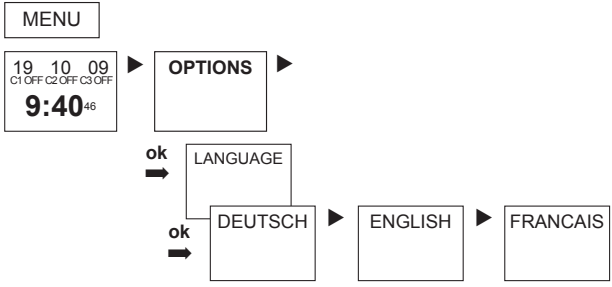
- Press **MENU**.
- Use ◄ ► to select desired (OVERRIDE) setting.
- Confirm by pressing **OK**.

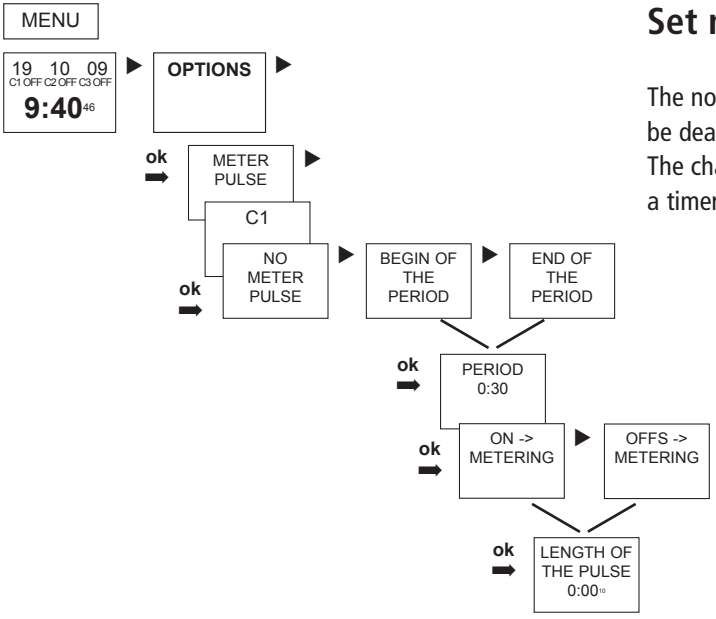


* OVERRIDE OFF appears when relay is switched on. If manual switching has already been programmed and is to be deleted, END OVERRIDE appears on screen.

Set language

- Press **MENU**.
- Use ◄ ► to select desired setting (LANGUAGE).
- Confirm by pressing **OK**.





Set meter pulse

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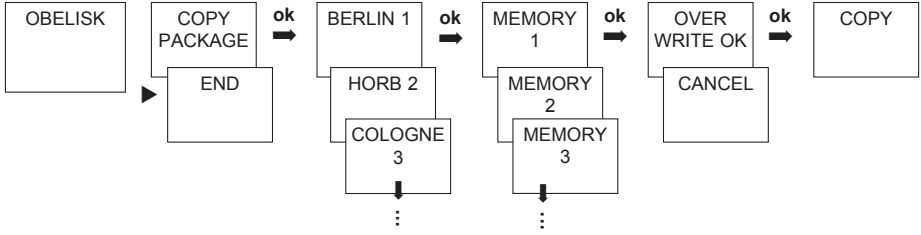
The normal switching program can be deactivated via the meter pulse. The channel is only programmed as a timer for a load profile meter.

OBELISK top2 memory card

Using memory card

- Insert memory card in the tariff time switch.
- Copy stored data.
- Remove OBELISK top2 (No. 907 0 894) memory card after taking reading etc.

The program can only be entered in the digital time switch via this OBELISK interface.



Technical data

- Operating voltage: 120–230 V~ –15 %/+10 %
- Frequency: 50–60 Hz
- Power consumption: approx. 1,7 W
- Standby: approx. 0,3 W
- Switch output: floating
  Switching of choice of external wires is permitted. Switching of SELV is not permitted.
- Gap: <3 mm (μ)
- Contact material: $AgSnO_2$
- Switching capacity max.: **channel 1**: 16 A, 250 V~,
  cos φ = 1, (3 A, 250 V~, cos φ = 0,6)
  channel 2–3: 10 A, 250 V~,
  cos φ = 1, (3 A, 250 V~, cos φ = 0,6)
- Switching capacity min.: 10 mA/230 V AC
  100 mA/12 V AC/DC
  20 mA/120 V AC
- Time accuracy: ≤ ±0,25 s/day at +23 °C
- Power reserve: approx. 10 years at +20 °C
- Permissible ambient temperature:
  –10 °C ... +55 °C
- Protection class: II in accordance with EN 60730-1 for designated installation
- Protection rating: IP 20 in accordance with EN 60529
- Pollution degree: 2
- Rated impulse voltage: 4 kV

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Service address/Hotline

Service address

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